

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2020/2021

BAC4684 – ERP SYSTEMS

(All sections/Groups)

8 MARCH 2021
2.30 p.m – 5.30 p.m
(3 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 4 pages.
2. Attempt **ALL** questions. The distribution of the marks for each question is given.
3. Please write all your answers in the Answer Booklet provided.

Attempt **ALL** questions (100 Marks)

QUESTION 1

(a)

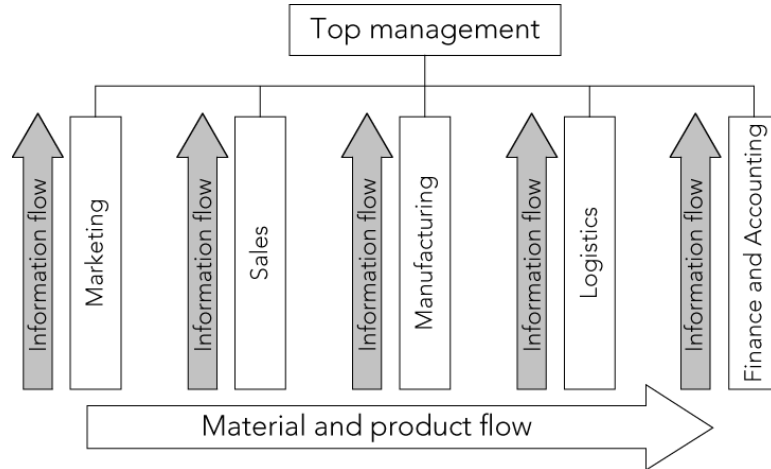


Figure above shows the information and materials flow in a functional business model.

- i. Describe how information is exchanged between lower operating levels in the functional organization shown in the accompanying figure.
(5 marks)
 - ii. What is the problem caused by this functional model of information?
(5 marks)
 - iii. Explain how the business process model solves the problems that occurred in the traditional functional business model.
(5 marks)
- (b) Identify problems in Human Resource business process that may lead a candidate to develop a negative opinion on the company. How might an effective information system reduce these potential problems?
(10 marks)

(Total: 25 marks)

Continued ...

QUESTION 2

a)

<u>BACKGROUND DATA</u>	
Today's date	3/8/2021
Current list price, NRG -A	RM2/bar
Current list price, NRG -B	RM2.5/bar
Accounts receivable balance at start of business day, XYZ Corporation	RM9,000
Credit limit, XYZ Corporation	RM12,000
<u>CURRENT ORDER</u>	
Product	NRG - A
Amount	4 cases (2,000 bars)
Price	List
Ship to	XYZ headquarters
Date desired	3/15/2021
Next Invoice number	A1001
Documents in system	
No documents relating to XYZ are in the system	

A cheque from XYZ Corporation was received in yesterday's mail and entered into the accounting system. The cheque is for \$2,000, applied to invoices from June's sales. The sales clerks are working from credit-limit printouts prepared at the beginning of the week (two days ago).

Required:

- i. Based on the given information that is currently in the system, will credit be granted or denied for XYZ Corporation's current order? Justify your answer with calculations (5 marks)
 - ii. If the system processed the data in a timelier way, would it change the answer as to whether credit be granted? Justify your answer with calculations (5 marks)
- b) As a result of the failure of Enron, as well as the high-profile bankruptcies of WorldCom and Global Crossing, the United States Congress passed the Sarbanes-Oxley Act of 2002. This act was intended to prevent the kind of fraud and abuse that led to the Enron downfall. Explain **THREE (3)** implications of the Sarbanes-Oxley Act for ERP systems. (15 marks)

(Total: 25 marks)

Continued ...

QUESTION 3

- a) Accounting is tightly integrated with all the other functional areas and accounting activities are necessary for decision making.

Required:

- i. Identify and describe **THREE (3)** problems associated with accounting and financial reporting in un-integrated information systems. (12 marks)
 - ii. Describe how ERP systems can help to solve accounting and financial reporting problems in an un-integrated system. (8 marks)
- b) Both SAP's and Oracle's in-memory solutions are designed to analyze what is now being termed as "big data." What is "big data" and what are the needs of "big data?" (5 marks)

(Total: 25 marks)

QUESTION 4

a)

Sales and operations planning	Dec	Jan	Feb	March	April	May	June
Sales forecast		1,476.50	1,499.50	1,515.25	1,579.50	1,619.00	1,782.00
Production plan		1,476.50	1,499.50	1,515.25	1,579.50	1,662.50	1,737.50
Inventory	50	50	50	50	50	50	50
Working days		21	20	23	21	21	22
Capacity (shipping cases)							
Utilisation %							
PB-AA							
PB-BB							

Continued ...

Additional Information:

- 1) Company AABB produces 150 protein bars per minute
- 2) Entire production line operates on one shift a day, which is 8 hours
- 3) Each box contains 24 protein bars
- 4) Each case contains 12 boxes of protein bars
- 5) Product group structure: PB-AA = 70%; PB-BB = 30%

Required:

Calculate and provide the capacity (shipping cases), utilisation percentage and breakdown of production plan for PB-AA and PB-BB for the months of January to June. (15 marks)

- b) Describe what is Master Data in SAP ERP? With example, explain the main function of Master Data. (10 marks)

(Total: 25 marks)

End of Paper